Cytometer Performance Report

Cytometer:	FACSCantoII	User:	Administrator
Cytometer Name:	FACSCantoII	Institution:	N/A
Serial Number:	V33896201821	Software:	BD FACSDiva 6.1.3
Input Device:	Carousel	Date:	05/11/2017 09:32 AM
Tube Loaded Manually:	Yes	Cytometer Baseline:	04/21/2017 12:22 PM
Cytometer Configuration:	Euroflow 3-laser, 8-color (4-2-2)	P/F:	Pass

Setup Beads

Bead Product: CST Setup Beads, Part #: 910723
Lot ID: 25720, Expiration Date: 06/30/2017
Bead Lot Information: Available

Detector Settings

Laser	Detector	Parameter	Target Value	Actual Target Value	% Difference Target Value	Bright Bead % Robust CV	Mid Bead Median Channel	Mid Bead % Robust CV
Blue	FSC	FSC	125000	124341	-1	1.75	124172	1.73
Blue	F	SSC	125000	123134	-2	2.97	123484	2.70
Blue	E	FITC	23355	22867	-3	2.38	1016	10.55
Blue	D	PE	28848	28456	-2	1.96	1022	9.91
Blue	B	PerCP-Cy5-5	47791	46541	-3	3.35	1339	17.31
Blue	A	PE-Cy7	41358	41233	-1	5.04	633	36.30
Red	C	APC	51316	50875	-1	2.84	2936	9.36
Red	A	APC-Cy7	53225	52989	-1	2.93	1096	11.14
Violet	B	V450	14473	13913	-4	5.10	669	9.59
Violet	A	V500	59973	58656	-3	4.98	2601	7.25

Detector Settings (Continued)

Laser	Detector	Parameter	Dim Bead Median Channel	Dim Bead % Robust CV	PMTV	Δ PMTV	Qr	Br	P/F
Blue	FSC	FSC	18371	6.08	612	14	N/A	N/A	Pass
Blue	F	SSC	61071	1.43	543	9	N/A	N/A	Pass
Blue	E	FITC	115	40.43	548	4	0.0197	220	Pass
Blue	D	PE	224	29.48	543	5	0.1578	252	Pass
Blue	B	PerCP-Cy5-5	210	45.40	633	3	0.0095	71	Pass
Blue	A	PE-Cy7	70	118.06	686	5	0.0114	12	Pass
Red	C	APC	346	26.91	592	-2	0.0208	52	Pass
Red	A	APC-Cy7	120	40.95	573	-3	0.0058	1885	Pass
Violet	B	V450	80	43.31	466	-5	0.0456	1973	Pass
Violet	A	V500	189	24.00	497	-4	0.0141	626	Pass

Specifications

PMTV Delta from baseline: 50 (BD)
Violet Laser Primary Channel Bright Bead %Robust CV: 6.00 (Recommended)
Blue Laser Primary Channel Bright Bead %Robust CV: 6.00 (Recommended)
Red Laser Primary Channel Bright Bead %Robust CV: 6.00 (Recommended)

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Laser Settings

Laser	Power (mW)	Power Spec. (mW)	Current (mA)	Current Spec. (mA)	Delay (Trigger on FSC)	Delay (Trigger on Fluorescence)	Area Scaling Factor
Violet	59.55	47.98 - 71.98	N/A	N/A	-31.94	-31.38	0.90
Blue	20.35	16.27 - 24.41	1.26	0.99 - 1.49	0.00	0.00	1.31
Red	17.20	13.27 - 19.91	N/A	N/A	31.37	31.85	1.14

Window Extension: 7.00
FSC Area Scaling Factor: 0.89

Threshold

Threshold (FSC): 9872

Fluidics

FACSFlow Pressure: 3.90 Sample Pressure: 3.70
Spec.: 3.80 - 4.00

Comments